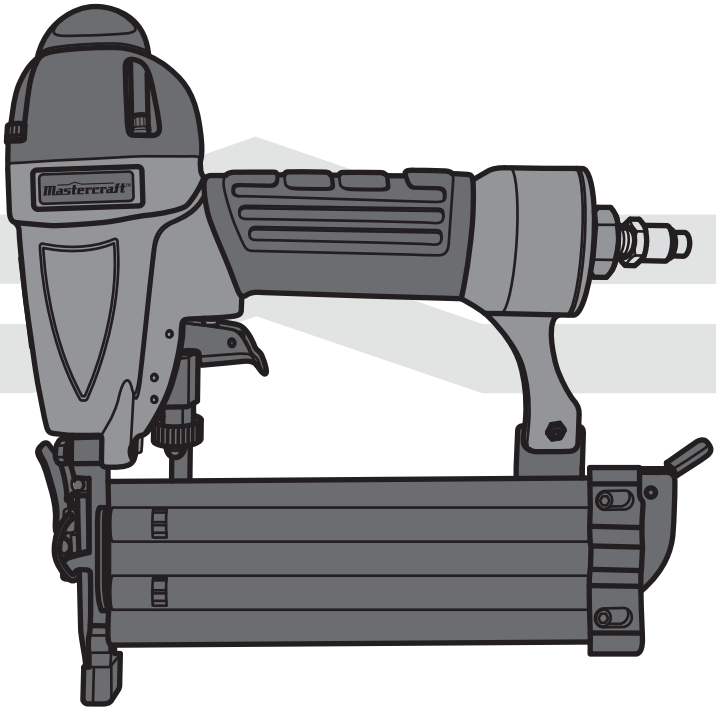
Mastercraft™



INSTRUCTION MANUAL

AIR-POWERED BRAD NAILER

058-8691-0

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TECHNICAL SPECIFICATIONS

CAPACITY (QTY.)	100 nails
NAIL LENGTH	5/8–2" *(15 – 50 mm)*
NAIL SIZE	*(1.25* x *1.00 mm)* 18 gauge
OPERATION PRESSURE	70–110 PSI *(4.8 - 7.5 bar)*
MAXIMUM PRESSURE	120 PSI *(8.3 bar)*
AIR CONSUMPTION	0.023 SCF/Cycle @ 90 PSI
AIR INLET	1/4" *(6.4 mm)* – 18 NPT
DIMENSIONS	283 x 256 x 60 mm
WEIGHT	3 lb 6 oz *(1.55 kg)*

SCFM: Standard Cubic Feet per Minute (the volumetric flow rate of air corrected to standardized conditions of temperature and pressure).

NPT: National Pipe Thread.

Environmental Responsibilities

Please recycle unwanted materials instead of disposing of them as waste. All tools, hoses and packaging should be sorted, taken to the local recycling centre and disposed of in an environmentally safe way.

Safety guidelines

This manual contains information that relates to PROTECTING PERSONAL SAFETY and PREVENTING EQUIPMENT PROBLEMS. It is very important to read this manual carefully and understand it thoroughly before using the product. The symbols listed below are used to indicate this information.

DANGER!
Potential hazard that will result in serious injury or loss of life.

WARNING!
Potential hazard that could result in serious injury or loss of life.

CAUTION!
Potential hazard that may result in moderate injury or damage to equipment.

Note- The word “Note” is used to inform the reader of something he/she needs to know about the tool.

PERSONAL SAFETY

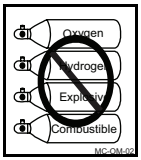
These precautions are intended for the personal safety of the user and others working with the user. Please take time to read and understand them.

DANGER!

Potential hazard that will result in serious injury or loss of life.

- **Keep children away** from the work area. Do not allow children to handle power tools.
- **Do not use this tool in the presence of flammable liquids or gases.** Sparks that are created during use may ignite gases.
- **Do not point the tool towards yourself or other people, even when the tool has stopped**. Keep hands, feet, and all other parts of the body away from work area. Always assume that there are nails loaded in the tool. To guard against possible injury, check the magazine for nails that may remain in the tool. Unseen nails could be fired from the tool.
- **Do not attempt to clear nail jams while the air hose is connected to the tool**.
- **Do not keep the trigger or the safety stand pressed while loading nails**. Unintentional firing of a nail could cause serious personal injury or death.
- **Do not disconnect or reconnect the air hose with the trigger pressed**. The Air-powered Brad Nailer may fire when it is reconnected to the air supply.

- **Do not use oxygen or any other combustible or bottled gas** to power air-powered tools. Failure to observe this warning can cause explosion and serious personal injury or death. Use only compressed air to power air-powered tools. Failure to comply will result in serious injury or loss of life.



- **Risk of electric shock:** Do not expose a compressor to rain. Store it indoors. Disconnect the compressor from power source before servicing. Compressor must be grounded. Do not use grounding adaptors.

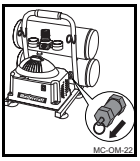
- **Risk of personal injury:** Do not direct compressed air from the air hose toward the user or other personnel.

- **Risk of inhallation:** Never directly inhale the air produced by the compressor.

- **Risk of bursting:** Do not adjust the pressure switch or safety valve for any reason. They have been preset at the factory for this compressor's maximum pressure. Tampering with the pressure switch or the safety valve may cause personal injury or property damage.

- **Risk of burns:** The pump and the manifold generate high temperatures. In order to avoid burns or other injuries, do not touch the pump, the manifold, or the transfer tube while the compressor is running. Allow the parts to cool down before handling or servicing. Keep children away from the compressor at all times.

- **Risk of bursting:** Make sure the regulator is adjusted so that the compressor outlet pressure is set lower than the maximum operating pressure of the tool. Before starting the compressor, pull the ring on the safety valve to make sure the valve moves freely. Drain water from tank after each use. Do not weld or repair tank. Relieve all pressure in the hose before removing or attaching accessories.



SAFETY GUIDELINES

WARNING!
Potential hazard that could result in serious injury or loss of life.

- **Do not allow unskilled or untrained individuals to operate** the Air-powered Brad Nailer.
- **Do not use the Air-powered Brad Nailer for any task other than that it is designed to perform**.
- **Keep hands and other parts of the body away from the firing head during use.** Keep hands, feet, and all other parts of the body at 8" (20 cm) away from the firing head. Nails can cause serious injury if they are deflected by the workpiece or by objects in the workpiece or if they are driven away from the point of entry.
- **Do not drive a nail on top of existing nails**. The nail may ricochet, causing serious personal injury.
- **Use only nails of the proper size and gauge**, as specified in this manual *(see section "Technical specifications")*. Failure to comply could result in serious injury or loss of life.
- **Protect the air hose and the power cord from damage and puncture**. **Inspect them for weak or worn spots every week**, and replace them if necessary.
- **Always wear hearing protection** when using the air compressor. Failure to do so may result in hearing loss.
- **Do not carry the compressor while it is running**.
- **Do not operate the compressor if it is not in a stable position**.
- **Do not operate the compressor on a rooftop or in an elevated position** that could allow the unit to fall or be tipped over.
- **Always replace a damaged gauge** before operating the unit again.

CAUTION!

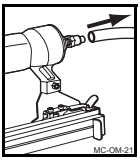
Potential hazard that may result in moderate injury or damage to equipment.

- **Carry the tool by the handle only**. Do not carry the tool with a finger on the trigger. Do not carry the tool by the hose, magazine or any other part.
- **Keep proper footing at all times in order to ensure correct balance**.
- Do not use a tool that is leaking air, with missing or damaged parts, or that requires repairs. **Verify that all screws are securely tightened**.
- For optimal safety and tool performance, **inspect the tool daily** in order to ensure free movement of the trigger, safety mechanisms, and spring.
- **Keep the work area clean**. A cluttered or dirty workbench may lead to an accident. Floors should be kept clear.
- **This tool is not a toy. Use it with caution.**
- **Handling and storage of oil:** Use the tool with adequate ventilation. Avoid contact of oil with eyes, skin, and clothing. Avoid breathing spray or mist. Store in a tightly closed container in a cool, dry, well-ventilated area free from incompatible substances.
- **Tripping hazard**: The air hose may become a tripping hazard when it is placed in the work area.
- **Do not use the tool near or below the freezing condition**, as doing so may cause tool failure.
- **Do not store the tool in a freezing environment** to prevent ice formation on the operating valves of the tool, as doing so may cause tool failure.

CAUTION!

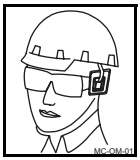
Potential hazard that may result in moderate injury or damage to equipment.

- **Disconnect tool from the air supply before loading or changing nails** in order to prevent a nail from being fired during loading. Failure to comply may result in moderate injury or damage to equipment.



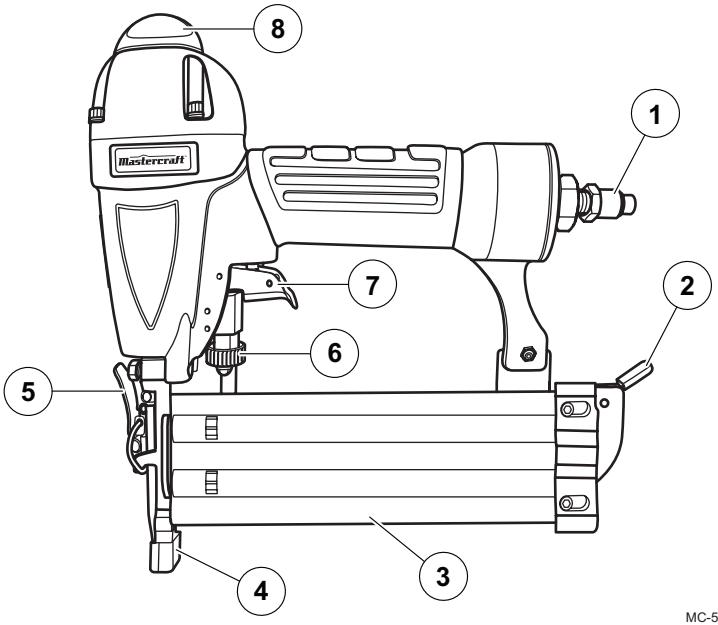
- **Use safety goggles and ear protection:**
  Wear safety glasses with side shields when operating the tool and verify that others in the work area are also wearing safety glasses. Safety glasses must conform to American National Standards Institute (ANSI Z87.1) requirements and must provide protection from flying particles from the front and the sides.

  Air-powered tools are loud and the sound can cause hearing damage. Always wear ear protection to prevent hearing damage and loss. Failure to comply may result in moderate injury.



Note: Recycle unwanted materials rather than disposing of it as waste. Sort the tools, hoses, and packaging in specific categories and take to the local recycling center or dispose of it in an environmentally safe way.

KEY PARTS DIAGRAM



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No.	Description	No.	Description
1	Air inlet plug	5	Quick release handle
2	Magazine latch	6	Depth adjustment dial
3	Magazine	7	Trigger
4	Safety tip	8	Air deflector

Compatible compressors

GUIDELINES FOR PROPER USE AND OPERATIONK

Be sure to use a proper air compressor with Mastercraft® air-powered tools. The compressor that is being used must be able to supply appropriate amount of pressure (PSI) to the tool.

General use

This Mastercraft® Air-powered Brad Nailer includes a die cast aluminum body that is strong and lightweight, and a comfort grip rubber handle for improved control and comfort, even during extended use. The tool has a magazine that accepts 18-gauge and 5/8 - 2" (15 to 50 mm) long brad nails, without adjustment. A hardened one-piece drive blade is provided for professional application, and an adjusting wheel for controlling the depth of the nails. A touch-strike security system is included for ensuring safety of the operator. The tool features a 360º air deflector that is adjustable in any direction, and a quick-release handle for clearing jams. The Air-powered Brad Nailer is best suited for installing door and window trim, decorative trim, cabinet work, finish paneling, framing, scribe molding, upholstery, beading, chair rail, flooring works, etc.

Air Compressor Size & Power	1/3–1 1/3 HP	1 1/2–2 HP	2+ HP
2–6 Gallons	Light-duty and intermittent use	Light-duty and intermittent use	Light-duty and intermittent use
8–11 Gallons	Light-duty and intermittent use	Heavy-duty and continuous use	Heavy-duty and continuous use
15+ Gallons	Medium-duty and intermittent use	Heavy-duty and continuous use	Heavy-duty and continuous use

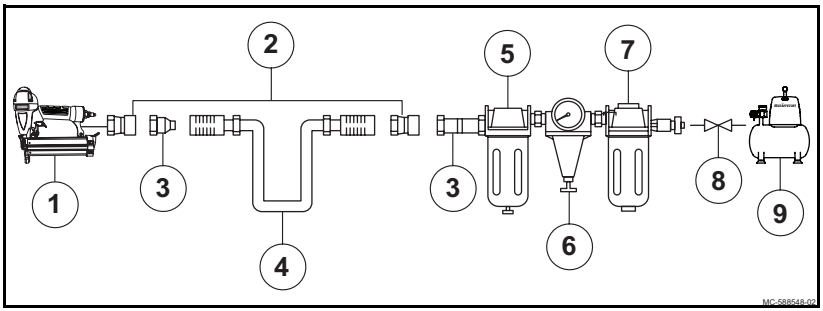
Wood density	Nail size	Compressor air pressure
$>0.6g/cm^3$	<1 1/2" (32mm) brad nails	90 PSI
	≥1 1/2" (32mm) brad nails	110 PSI
$\leq 0.6g/cm^3$	<1 1/2" (32mm) brad nails	70 PSI
	≥1 1/2" (32mm) brad nails	90 PSI

Air system

- Always use clean, dry, regulated, compressed air at 4.8 to 7.5 bar (70 to 110 PSI).
- Do not exceed the maximum or minimum pressures. Operating the tool at inappropriate pressure (too low or too high) will cause excessive noise or rapid wear.

WARNING!
Potential hazard that could result in serious injury or loss of life.

Keep hands and other parts of the body away from the tool's discharge and working areas when connecting the air supply. Failure to comply could lead to serious injury or loss of life.



No.	Description	No.	Description
1	Mastercraft® Air-powered Brad Nailer	6	Regulator (0 to 8.5 bar)
2	Quick connector	7	Filter
3	Quick coupler	8	Cut-off valve
4	Air hose	9	Air compressor
5	Lubricator		

Read this Instruction Manual carefully before using the tool.

- Read and follow all the safety instructions at the beginning of this manual. Inspect the Air-powered Brad Nailer prior to each use in order to:
  - ensure that the proper power source is being used.
  - verify that the tool is in proper working order.
- It is recommended that a filter-regulator-lubricator be used and located as close to the tool as possible.
- If a filter-regulator-lubricator is not installed, pour up to 6 drops of pneumatic tool oil into the air inlet plug before each use.
- If a filter-regulator-lubricator is installed, keep the air filter clean. A dirty filter will reduce the air pressure to the tool, which will cause a reduction in power, efficiency, and general performance.
- For optimal performance, install a quick connector to the tool and a quick coupler on the hose, if applicable.
- Verify that all connections in the air supply system are sealed in order to prevent air leakage.

WARNING!

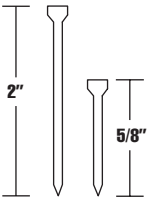
Potential hazard that could result in serious injury or loss of life.

- Do not use the tool if it is not in proper working order.
- Do not use oxygen or any other combustible or bottled gas to power this tool.
- Do not use this tool in the presence of any flammable liquids or gases.
- Keep hands and other parts of the body away from the firing head during use.
- Do not point the tool towards the operator or other people.
- Do not attempt to clear a jammed nail when the air hose is connected.
- Do not drive a nail on top of an existing nail. Failure to comply could lead to serious injury or loss of life.

This Mastercraft® Brad Nailer drives 18-gauge 5/8 - 2" (15 to 50 mm) long brad nails.

ACCEPTABLE NAILS

Length: 5/8 - 2" *(15 to 50 mm)*



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WARNING!
Potential hazard that could result in serious injury or loss of life.

- The use of any other types of nails will cause the nailer to jam and could lead to serious injury or loss of life.

This nailer can be used with a variety of shank types (e.g., ring, smooth, spiral) and a variety of coatings or nail compositions (e.g., Electro, mechanical, hot-dipped galvanized or stainless steel, etc.).

NAIL TYPE ICONS

These Icons are used to select the proper nails for this specific nailer.

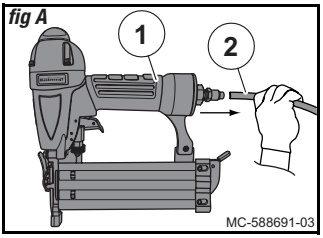
Note: Icons are colour-coded, please refer the actual tool for the specific colour.

Loading nails

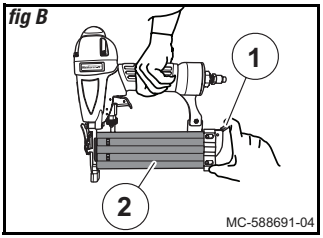
DANGER!
Potential hazard that will result in serious injury or loss of life.

- Disconnect the tool from the compressed air source before loading nails.
- Do not point the tool towards the operator or other people while changing nails.
- Do not hold the tool with the trigger pressed while changing the nails. Failure to comply will result in serious injury or loss of life.

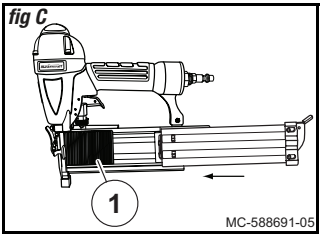
1. Disconnect the tool (1) from the air supply (2) *(fig A)*.



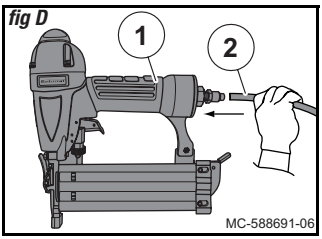
2. Hold the Air-powered Brad Nailer firmly with one hand, and use the other hand to press the latch (1) on the magazine (2) and slide it back *(fig B)*.



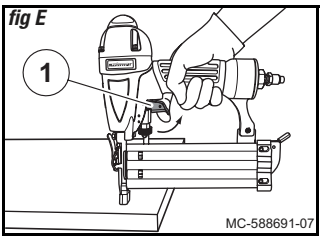
3. Insert a strip of nails (1) into the magazine. After ensuring that the points of the nails are facing down, close the magazine. The tool is now ready for use *(fig C)*. ➡ (see nail type icon on page 14)



4. Plug in compressor, turn it on, set the pressure regulator to 90 PSI, attach one end of the air hose to the compressor and the other end of the air hose (1) to the tool (2). Use plumber's tape to prevent air leaks *(fig D)*. ➡ page 11 (wood density chart)



5. Test the driving depth of the tool against a sample piece of wood by pressing the trigger (1) before working on the workpiece. If the nails are being driven too deep or not deep enough, adjust the regulator in the air supply in order to provide more or less air pressure, as required *(fig E)*.



WARNING!

Potential hazard that could result in serious injury or loss of life.

- The safety stand must be in contact with the workplace before activating the tool.
- Do not operate the tool if the nails are not loaded, as doing so may damage the tool.
- Do not fire nails into the air, as doing so may cause injury to the operators or others, apart from damaging the tool.
- Do not load different sized nails into the magazine, as doing so may cause nails to jam. Failure to comply could lead to serious injury or loss of life.

Firing modes

The Mastercraft® Air-powered Brad Nailer is equipped with a single sequential actuation mode.

1. Press the safety stand against the workpiece.
2. Pull the trigger in order to drive the nail with the safety tip pressed firmly against the workpiece.
3. If the safety stand remains pressed, successive nails will fire each time the trigger is pulled.

CAUTION!

Potential hazard that may result in moderate injury or damage to equipment.

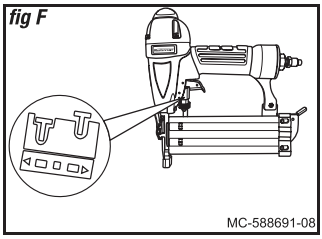
- Operate the tool with the utmost care when it is connected to the air compressor. Failure to comply may result in moderate injury or damage to equipment.

Fasteners depth adjustment

The Mastercraft® Air-powered Brad Nailer has a depth adjustment dial below the trigger to adjust the firing depth of the fasteners.

Note: Refer to the graphic imprinted below the trigger and adjust the firing depth accordingly *(fig F)*.

fig F



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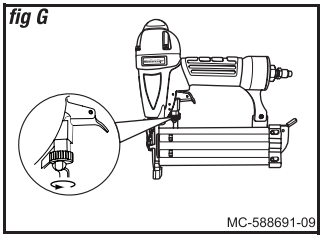
DECREASING FASTENER DEPTH

Turn the depth adjustment dial counterclockwise (with the discharge area of the tool facing away from the operator) *(fig G)*.

fig G



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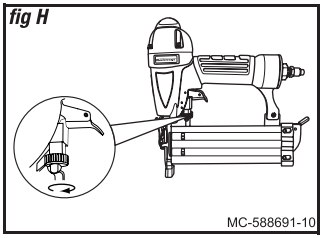
INCREASING FASTENER DEPTH

Turn the depth adjustment dial clockwise (with the discharge area of the tool facing away from the operator) *(fig H)*.

fig H



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Cold weather operation

When operating any air-powered tool below freezing temperature:
Do not use below 14°F(-10°C) freezing temperature.

- Verify that the compressor tanks have been properly drained prior to use.
- Keep the tool as warm as possible using any safe, convenient method.
- Place up to 6 drops of pneumatic tool oil into the tool's air inlet.
- Maintain the operating level of the air pressure as recommended *(see section "Technical specification")*.
- Load the nails into the magazine (if required).
- Actuate the tool 5 to 6 times into a scrap wooden piece in order to lubricate the O-rings.
- Adjust the pressure up to the operating level (do not exceed 120 PSI) and use the tool normally.
- Relubricate the tool, as described in the maintenance section.

- Drain the compressor tanks at least once per day.

Do not store tools in a cold weather environment to prevent frost or ice formation on the tools operating valves and mechanisms that could cause tool failure. Store in a dry place.

Clearing a jammed nail

To clear a jammed nail:

- Disconnect the tool from the air supply line.
- Remove the nails that are stored in the tool's magazine.

WARNING!

Potential hazard that could result in serious injury or loss of life.

- Disconnect the air supply from the tool before loading or changing the nails.
- Disconnect the magazine from the tool and remove the non-jammed nails from the tool before clearing the jammed nails. Failure to comply will cause them to be fired out of the tool, causing serious injury.
- Do not point the tool towards the operator or other people with the trigger pressed while loading or changing the fasteners. Serious personal injury or loss of life could result if these instructions are not followed.

- Operate the release latch and open the movable magazine for viewing the jammed nails.
- Use pliers or any appropriate tool to remove the jammed nails.
- Reload the nails into the tool magazine.
- Close the movable magazine and verify that the latch is moved to its original position.
- Reconnect the air line to the tool's air inlet.
- Test fire 3 to 5 nails into a piece of scrap wood in order to ensure proper operation.

Note: If the nails continue to jam, please call 1-800-689-9928.

Maintenance

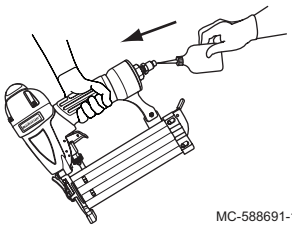
DANGER!

Potential hazard that will result in serious injury or loss of life.

- Disconnect the tool from the air compressor before performing maintenance/ service, adjusting, clearing jams, reloading, and when it is not in use.
- Repairs must be performed by a qualified service technician only. Failure to comply will lead to serious injury or loss of life.

MAINTENANCE REQUIRED	DESCRIPTION	TOOLS OR MATERIALS REQUIRED	MAXIMUM SERVICE INTERVAL		
			Each Use or every 2 Hrs	Monthly	As Needed
General inspection - free movement	Trigger, spring, safety mechanism	None	X		
In-depth inspection	Worn or broken parts			X	X
Replace worn or broken parts					X
Lubrication	See below	Pneumatic tool oil	X		

- **Lubrication**: If the Air-powered Brad Nailer and the compressor are not equipped with an in-line lubrication system, place up to 6 drops of pneumatic tool oil into the air inlet before each work day or after every 2 hours of continuous use, depending on the characteristics of the workpiece and type of fasteners used.



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MAINTENANCE

- Air-operated tools must be inspected periodically and worn or broken parts must be replaced in order to keep tools operating safely and efficiently.
- Inspect and replace worn or damaged O-rings, seals, etc. Tighten all screws and caps frequently in order to help prevent personal injury.
- Inspect the trigger, spring, and safety mechanism for free movement on a regular basis in order to ensure that the safety system is fully functional. Verify that no parts are loose or missing and no parts are sticking or jammed.
- Keep the magazine and the safety stand of the tool clean and free of any dirt or abrasive particles.

Note: When temperatures are below freezing, keep the tools warm using any safe, convenient method.

Troubleshooting

The following chart lists common issues and solutions. Please read it carefully and follow all instructions closely.

DANGER!
Potential hazard that will result in serious injury or loss of life.

- If any of the following symptoms appear while the tool is in use, turn it off and disconnect it from the air supply immediately. Failure to comply will lead to serious injury or loss of life.
- Disconnect the tool from the air supply before making any adjustments.
- Repairs and replacement must be performed only by a qualified service technician or in an authorized service center.

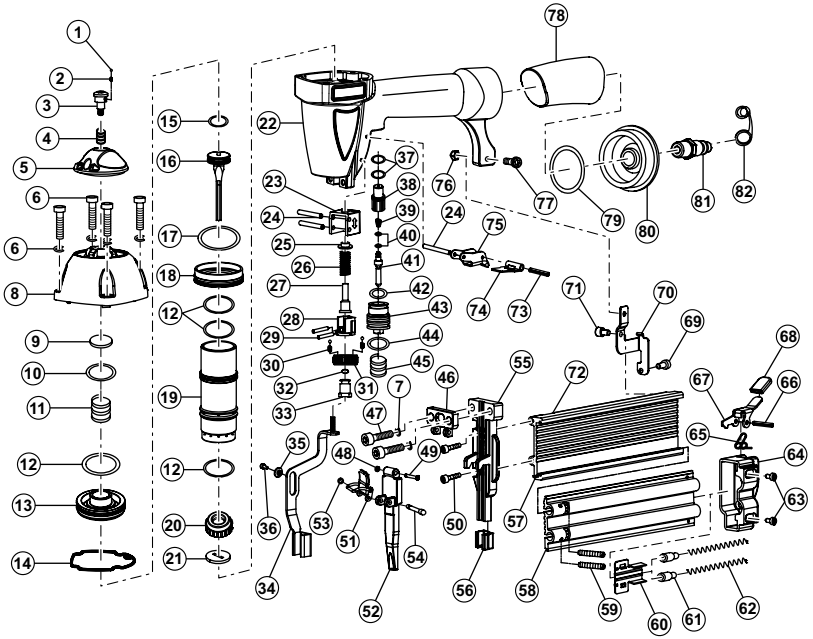
PROBLEM	POSSIBLE CAUSES	SOLUTIONS
Air leakage at the top of the tool or in the trigger area.	1. O-rings in the trigger valve are damaged. 2. The trigger valve heads are damaged. 3. Trigger valve stem, seal, or O-rings are damaged.	1. Inspect and replace the O-ring. 2. Inspect and replace trigger valve heads. 3. Inspect and replace the trigger valve stem, seal, or O-ring.
Air leakage at the bottom of the tool.	1. The screws are loosened. 2. The O-rings or the bumper are worn or damaged.	1. Tighten the screws. 2. Inspect and replace the O-rings or the bumper.
Air leakage between the bottom and the cylinder cap.	1. The screws are loosened. 2. The O-rings or the seals are worn or damaged.	1.Tighten the screws. 2. Inspect and replace the O-rings or the seals.
The nails are being driven too deep.	1. The bumper is worn. 2. The air pressure is too high.	1. Replace the bumper. 2. Adjust the air pressure.

TROUBLESHOOTING

PROBLEM	POSSIBLE CAUSES	SOLUTIONS
The tool does not operate properly - it does not drive the nails or operates sluggishly.	1. The air supply is inadequate. 2. Lubrication is inadequate. 3. The O-rings or seals are worn or damaged. 4. The air deflector in the cylinder head is blocked.	1. Verify that the air supply is adequate. 2. Pour up to 6 drops of oil into the air inlet. 3. Inspect and replace O-rings or seals. 4. Replace the damaged internal parts.
The tool skips nails.	1. The bumper is worn or the spring is damaged. 2. There is dirt in the front plate. 3. Nails cannot move freely in the magazine because of dirt or damage. 4. The O-ring on the piston is worn or dry or there is not enough lubrication. 5. The cylinder cover seal is leaking.	1. Replace the bumper or pusher spring. 2. Clean the drive channel on the front plate. 3. Clean the magazine. 4. Replace the O-ring. 5. Replace the sealing washer.
The tool jams.	1. Improper nails are used, or nails are damaged. 2. The driver guide is damaged or worn. 3. The screw of the magazine is loosened. 4. There is dirt in the magazine.	*See section "Clearing a jammed nail" for instructions.* 1. Change and use appropriate nails. 2. Inspect and replace the driver. 3. Tighten the magazine. 4. Clean the magazine.

Note: For further repair information, please call 1-800-689-9928.

EXPLODED VIEW



MC-588691-11

Mastercraft

PARTS LIST

No.	Description	Qty.	No.	Description	Qty.
1	Ball (Dw=2.5)	3	27	Pusher pipe	1
2	Compressed spring A	1	28	Adjustable stand	1
3	Bolt	1	29	Norm pin 1.5 x 8	2
4	Compressed spring	1	30	Compressed spring B	2
5	Air deflector	1	31	Adjustable nut	1
6	Bolt (M5x20)	4	32	Snap retainer 2	1
7	Spring washer 5	6	33	Adjustable stem	1
8	Cylinder cover	1	34	Safety stand	1
9	Sealing washer	1	35	Guide sleeve	1
10	O-ring 17 x 2.65	1	36	Bolt M3 x 8	1
11	Compressed spring	1	37	O-ring 7 x 1.5	2
12	O-ring 33.6 x 2	4	38	Trigger valve guide	1
13	Switch valve	1	39	Screw spring	1
14	Washer	1	40	O-ring 1.9 x 1.1	2
15	O-ring 24.2 x 3.1	1	41	Switch lever	1
16	Main piston	1	42	O-ring 11.2 x 1.6	1
17	Sealing washer	1	43	Trigger valve seat	1
18	Collar	1	44	O-ring 11.7 x 2.4	1
19	Cylinder	1	45	Compressed spring	1
20	Bumper	1	46	Fixed driver guide cover	1
21	Sealing washer	1	47	Bolt M5 x 25	2
22	Gun body	1	48	Pin sleeve	1
23	Guide stand	1	49	Pin	1
24	Pin 3 x 26	3	50	Bolt M4 x 16	2
25	Washer II	1	51	Quick release handle	1
26	Compressed spring	1	52	Movable driver guide cover	1

No.	Description	Qty.	No.	Description	Qty.
53	O-ring 1.9 x 1.2	1	68	Fixed lever jacket	1
54	Pin	1	69	Bolt M4 x 8	1
55	Driver guide	1	70	Fixed seat	1
56	Safety nozzle	1	71	Bolt M4 x 6	1
57	Inlay slice	1	72	Fixed magazine	1
58	Movable magazine	1	73	Pin 3 x17.5	1
59	Bolt M4 x 12	2	74	Safety spacer	1
60	Pusher A	1	75	Trigger II	1
61	Pusher pipe	2	76	Nut M4	1
62	Compressed spring	2	77	Bolt M4 x14	1
63	Bolt M4 x 10	2	78	Rubber handle case	1
64	Position seat	1	79	O-ring 36.3 x 3.55	1
65	Torsion spring	1	80	End cap	1
66	Pin 3 x18	1	81	Air inlet plug	1
67	Fixed lever	1	82	Air inlet plug cap	1

If any parts are missing or damaged, or if you have any questions, please call 1-800-689-9928.

WARRANTY

Mastercraft® limited warranty

This Mastercraft® product is guaranteed for a period of 3 years from the date of original retail purchase against defects in workmanship and materials, except for the following component:

Component A: Accessories, which are guaranteed for a period of 1-year from the date of original retail purchase against defects in workmanship and materials.

Subject to the conditions and limitations described below, this product, if returned to us with **proof of purchase** within the stated warranty period and if covered under this warranty, will be repaired or replaced (with the same model, or one of equal value or specification), at our option. We will bear the cost of any repair or replacement and any costs of labor relating thereto.

These warranties are subject to the following conditions and limitations:

a. A bill of sale verifying the purchase and purchase date must be provided.

b. This warranty will not apply to any product or part thereof which is worn or broken or which has become inoperative due to abuse, misuse, accidental damage, neglect, or lack of proper installation, operation, or maintenance (as outlined in the applicable instruction manual or operating instructions), or which is being used for industrial, professional, commercial, or rental purposes.

c. This warranty will not apply to normal wear and tear or to expendable parts or accessories that may be supplied with the product which are expected to become inoperative or unusable after a reasonable period of use.

d. This warranty will not apply to routine maintenance and consumable items such as, but not limited to, fuel, lubricants, vacuum bags, blades, belts, sandpaper, bits, fluids, tune-ups, or adjustments.

e. This warranty will not apply where damage is caused by repairs made or attempted by others (i.e., persons not authorized by the manufacturer).

f. This warranty will not apply to any product that was sold to the original purchaser as a reconditioned or refurbished product (unless otherwise specified in writing).

g. This warranty will not apply to any product or part thereof if any part from another manufacturer is installed therein or any repairs or alterations have been made or attempted by unauthorized persons.

h. This warranty will not apply to normal deterioration of the exterior finish, such as, but not limited to, scratches, dents, paint chips, or to any corrosion or discoloring by heat, or abrasives and chemical cleaners.

i. This warranty will not apply to component parts sold by and identified as the product of another company, which shall be covered under the product manufacturer's warranty, if any.

Additional limitations

This warranty applies only to the original purchaser and may not be transferred. Neither the retailer nor the manufacturer shall be liable for any other expense, loss or damage, including, without limitation, any indirect, incidental, consequential, or exemplary damages arising in connection with the sale, use, or inability to use this product.

Notice to consumer

This warranty gives you specific legal rights, and you may have other rights, which may vary from province to province. The provisions contained in this warranty are not intended to limit, modify, take away from, disclaim, or exclude any statutory warranties set forth in any applicable provincial or federal legislation.